

Title (en)
TRANSMISSION CIRCUIT AND COMMUNICATION APPARATUS

Title (de)
ÜBERTRAGUNGSSCHALTUNG UND KOMMUNIKATIONSGERÄT

Title (fr)
CIRCUIT DE TRANSMISSION ET APPAREIL DE COMMUNICATION

Publication
EP 2056479 A1 20090506 (EN)

Application
EP 07791451 A 20070727

Priority
• JP 2007064757 W 20070727
• JP 2006213699 A 20060804

Abstract (en)
Provided is a transmission circuit (1) which accurately compensates offset characteristics of an amplitude modulating section (15) and operates at low distortion and high efficiency over a wide output power range. A signal generating section (11) outputs an amplitude signal and an angle modulation signal. An amplitude amplifying section (14) supplies the amplitude modulating section (15) of a voltage corresponding to the magnitude of the inputted amplitude signal. The amplitude modulating section (15) modulates the amplitude of an angle modulation signal by the voltage supplied from the amplitude amplifying section (14), and outputting it as a modulation signal. A temperature measuring section measures the temperature of the amplitude modulating section (15). An offset compensating section (12) calculates an offset compensation value based on the temperature change of the amplitude modulating section (15) from an initial status, and adds the calculated offset compensation value to the amplitude signal.

IPC 8 full level
H04B 1/04 (2006.01); **H03C 5/00** (2006.01); **H03F 1/02** (2006.01); **H03F 1/32** (2006.01); **H03F 3/24** (2006.01); **H04L 27/04** (2006.01); **H04L 27/36** (2006.01)

CPC (source: EP US)
H03C 5/00 (2013.01 - EP US); **H03F 1/0205** (2013.01 - EP US); **H03F 1/0211** (2013.01 - EP US); **H03F 1/32** (2013.01 - EP US); **H03F 1/3241** (2013.01 - EP); **H03F 3/245** (2013.01 - EP US); **H04B 1/0475** (2013.01 - EP US); **H04B 1/0483** (2013.01 - EP US); **H04L 27/361** (2013.01 - EP US); **H03F 2200/324** (2013.01 - EP US); **H03F 2200/447** (2013.01 - EP US); **H03F 2200/468** (2013.01 - EP US); **H03F 2200/504** (2013.01 - EP US); **H04B 2001/0425** (2013.01 - EP US)

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DE GB

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2008031381 A1 20080207; **US 7912148 B2 20110322**; CN 101485097 A 20090715; CN 101485097 B 20130130; EP 2056479 A1 20090506; EP 2056479 A4 20150401; JP WO2008015970 A1 20091224; WO 2008015970 A1 20080207

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